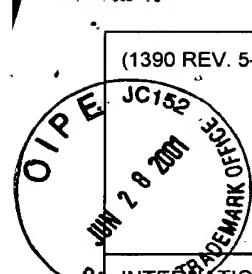
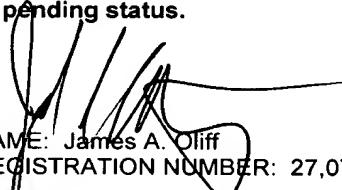


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| (1390 REV. 5-93)-US DEPT. OF COMMERCE PATENT & TRADEMARK OFFICE | | U.S. APPLICATION NO. (if known, sec 37 C.F.R.1.5) 09/856,627 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | |
| INTERNATIONAL APPLICATION NO. PCT/JP00/06824 | INTERNATIONAL FILING DATE September 29, 2000 | PRIORITY DATE CLAIMED October 1, 1999 |
| TITLE OF INVENTION INTERCONNECT SUBSTRATE, SEMICONDUCTOR DEVICE, METHODS OF FABRICATING, INSPECTING, AND MOUNTING THE SEMICONDUCTOR DEVICE, CIRCUIT BOARD, AND ELECTRONIC INSTRUMENT | | |
| APPLICANT(S) FOR DO/EO/US Nobuaki HASHIMOTO | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). | | |
| Items 11. to 16. below concern other document(s) or information included: | | |
| <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 2.28 and 3.31 is included. 13. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> A substitute specification. 15. <input type="checkbox"/> Entitlement to small entity status is hereby asserted. 16. <input type="checkbox"/> Other items or information: | | |

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|---|--|---------------------------------|------------|----|
| U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 09/856,627 | INTERNATIONAL APPLICATION NO. PCT/JP00/06824 | ATTORNEY'S DOCKET NUMBER 109609 | | |
| 17. <input type="checkbox"/> The following fees are submitted: | | CALCULATIONS | | |
| Basic National fee (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO \$860.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) \$690.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$710.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$1,000.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) \$ 100.00 | | PTO USE ONLY | | |
| ENTER APPROPRIATE BASIC FEE AMOUNT = | | \$ | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | \$ | | |
| Claims | Number Filed | Number Extra | Rate | |
| Total Claims | - 20 = | | X \$ 18.00 | \$ |
| Independent Claims | - 3 = | | X \$ 80.00 | \$ |
| Multiple dependent claim(s)(if applicable) | | | + \$270.00 | \$ |
| TOTAL OF ABOVE CALCULATIONS = | | \$ | | |
| Reduction by 1/2 for filing by small entity, if applicable. | | - | \$ | |
| SUBTOTAL = | | \$ | | |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 month from the earliest claimed priority date (37 CFR 1.492(f)). | | \$ | | |
| TOTAL NATIONAL FEE = | | \$ | | |
| | | Amount to be refunded | \$ | |
| | | Charged | \$ | |
| a. <input type="checkbox"/> Check No. in the amount of \$ to cover the above fees is enclosed. | | | | |
| b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. | | | | |
| c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. <u>15-0461</u> . A duplicate copy of this sheet is enclosed. | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. | | | | |
| SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 | | | | |
|  NAME: James A. Oliff REGISTRATION NUMBER: 27,075 | | | | |
|  NAME: Joel S. Armstrong REGISTRATION NUMBER: 36,430 | | | | |
| Date: June 28, 2001 (1390 Rev.10-00) | | | | |

#6/12-01-01
Dade

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Nobuaki HASHIMOTO

Application No.: 09/856,627

Filed: May 24, 2001

Docket No.: 109609

For: INTERCONNECT SUBSTRATE, SEMICONDUCTOR DEVICE, METHODS OF FABRICATING, INSPECTING, AND MOUNTING THE SEMICONDUCTOR DEVICE, CIRCUIT BOARD, AND ELECTRONIC INSTRUMENT

INFORMATION DISCLOSURE STATEMENT

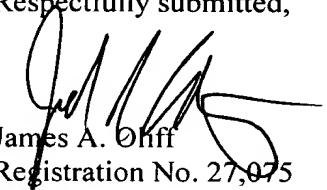
Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of the reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- 2. A partial translation of JP U 1-60543 is attached hereto. JP U 1-60543 was submitted with the May 24, 2001 Information Disclosure Statement.

Respectfully submitted,


James A. Ohff
Registration No. 27,075

Joel S. Armstrong
Registration No. 36,430

JAO:JSA/zmc
Date: June 28, 2001

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Alexandria, Virginia 22320
Telephone: (703) 836-6400

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| DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461 |
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